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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 28/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 02-06-21

Sample Type /Size : Drain Bottom Slab Concrete(Kattigenahalli Main Road Connecting To Lake)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 28 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 28/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	31/05/2021	28/06/2021	149.29 X 151.18 X 151.16	22569	**8.626**	521.7	23.1	23.1
2	Drain Bottom Slab Concrete	M20	31/05/2021	28/06/2021	149.36 X 149.92 X 149.79	22393	**8.320**	500.0	22.3	
3	Drain Bottom Slab Concrete	M20	31/05/2021	28/06/2021	150.03 X 149.15 X 150.35	22377	**8.801**	531.2	23.7	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 12/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	151.64 X 150.30 X 149.96	22791	**8.512**	425.1	18.7	18.6
2	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.61 X 151.13 X 150.53	22762	**8.602**	416.4	18.3	
3	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.27 X 151.85 X 149.52	22819	**8.820**	430.3	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 03/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.30 X 149.57 X 151.34	22630	**8.626**	535.5	23.7	23.5
2	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	150.49 X 150.35 X 149.05	22627	**8.320**	519.7	23.0	
3	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.25 X 150.70 X 150.81	22794	**8.801**	541.5	23.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 12/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	151.64 X 150.30 X 149.96	22791	**8.512**	425.1	18.7	18.6
2	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.61 X 151.13 X 150.53	22762	**8.602**	416.4	18.3	
3	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.27 X 151.85 X 149.52	22819	**8.820**	430.3	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 03/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.30 X 149.57 X 151.34	22630	**8.626**	535.5	23.7	23.5
2	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	150.49 X 150.35 X 149.05	22627	**8.320**	519.7	23.0	
3	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.25 X 150.70 X 150.81	22794	**8.801**	541.5	23.8	

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Lab ID : CP-2021-02-16-33 **Date: 12/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	151.64 X 150.30 X 149.96	22791	**8.512**	425.1	18.7	18.6
2	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.61 X 151.13 X 150.53	22762	**8.602**	416.4	18.3	
3	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.27 X 151.85 X 149.52	22819	**8.820**	430.3	18.9	

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Lab ID : CP-2021-02-16-33 **Date: 03/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.30 X 149.57 X 151.34	22630	**8.626**	535.5	23.7	23.5
2	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	150.49 X 150.35 X 149.05	22627	**8.320**	519.7	23.0	
3	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.25 X 150.70 X 150.81	22794	**8.801**	541.5	23.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 12/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	151.64 X 150.30 X 149.96	22791	**8.512**	425.1	18.7	18.6
2	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.61 X 151.13 X 150.53	22762	**8.602**	416.4	18.3	
3	Drain Bottom Slab Concrete	M20	05/06/2021	12/06/2021	150.27 X 151.85 X 149.52	22819	**8.820**	430.3	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 03/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 07-06-21

Customer ID : Drain Bottom Slab Concrete (Cross Road-2)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.30 X 149.57 X 151.34	22630	**8.626**	535.5	23.7	23.5
2	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	150.49 X 150.35 X 149.05	22627	**8.320**	519.7	23.0	
3	Drain Bottom Slab Concrete	M20	05/06/2021	03/07/2021	151.25 X 150.70 X 150.81	22794	**8.801**	541.5	23.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 17/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.23 X 149.81 X 151.23	22657	**8.512**	410.7	18.1	18.3
2	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.51 X 149.14 X 150.98	22596	**8.602**	417.3	18.5	
3	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.86 X 150.00 X 150.04	22779	**8.820**	413.8	18.2	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 08/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.49 X 150.94 X 151.49	22564	**8.626**	523.7	23.2	23.2
2	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	151.61 X 151.81 X 150.44	23015	**8.320**	514.6	22.4	
3	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.43 X 149.98 X 150.85	22412	**8.801**	535.4	23.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 17/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	149.38 X 150.14 X 149.55	22428	**8.512**	414.7	18.5	18.5
2	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.31 X 150.90 X 151.15	22832	**8.602**	427.9	18.7	
3	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.56 X 149.44 X 151.29	22649	**8.820**	417.0	18.4	

* The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 08/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.40 X 149.22 X 151.89	22293	**8.626**	531.2	23.8	23.2
2	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	150.57 X 149.38 X 150.88	22493	**8.320**	506.0	22.5	
3	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	150.55 X 149.30 X 150.37	22477	**8.801**	521.5	23.2	

* The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 17/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	149.48 X 150.26 X 149.42	22461	**8.512**	413.5	18.4	18.4
2	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	149.12 X 150.13 X 150.63	22388	**8.602**	404.2	18.1	
3	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	150.06 X 151.23 X 149.22	22693	**8.820**	425.9	18.8	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 08/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 12-06-21

Sample Type /Size : Drain Side Wall Concrete(Cross Road-1)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 28 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 08/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.11 X 151.75 X 151.34	22627	**8.626**	528.5	23.4	23.2
2	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.62 X 150.60 X 150.52	22533	**8.320**	512.0	22.7	
3	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.15 X 149.92 X 151.19	22360	**8.801**	527.0	23.6	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-02-16-33 **Date: 17/06/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	150.86 X 150.59 X 149.22	22717	**8.512**	429.3	18.9	18.7
2	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.69 X 150.94 X 149.68	22896	**8.602**	422.2	18.4	
3	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.20 X 150.12 X 150.26	22698	**8.820**	422.7	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2021-02-16-33** **Date: 08/07/2021**

Project Name : Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappanagara Colony in Ward No.05

Agency : Improvements to Roads and Drains at Kattigenahalli Colony in Ward No.05 (Jakkur) Byatarayanapura Sub Division

Customer's Reference : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Date of Receipt : EE(Project)/Ynk Zone/WO/150/2020-21

Customer ID : 12-06-21

Sample Type /Size : Drain Side Wall Concrete(Cross Road-1)

Sample grade/Age : 150X150X150 mm

Reference to BIS codes : M20 / 28 Days Compressive Strength

Date of test : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 08/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	151.12 X 150.23 X 150.45	22702	**8.626**	527.8	23.2	23.1
2	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.09 X 151.07 X 151.81	22522	**8.320**	508.2	22.6	
3	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.47 X 151.79 X 151.26	22687	**8.801**	530.1	23.4	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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KARTHIK RECHAN
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Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	151.12 X 150.23 X 150.45	22702	**8.626**	527.8	23.2	23.1
2	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.09 X 151.07 X 151.81	22522	**8.320**	508.2	22.6	
3	Drain Side Wall Concrete	M20	10/06/2021	08/07/2021	149.47 X 151.79 X 151.26	22687	**8.801**	530.1	23.4	

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Lab ID : **CP-2021-02-16-33**

Date: 17/06/2021

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Agency : Sri.K Dileep Kumar, No.38, 5th Cross, Suncity Layout, 7th Phase, J P Nagar, Bangalore-78

Customer's Reference : EE(Project)/Ynk Zone/WO/150/2020-21

Date of Receipt : 12-06-21

Customer ID : Drain Side Wall Concrete(Cross Road-1)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.49 X 151.84 X 150.31	23002	**8.512**	435.1	18.9	18.9
2	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	150.85 X 151.15 X 151.88	22802	**8.602**	430.7	18.9	
3	Drain Side Wall Concrete	M20	10/06/2021	17/06/2021	151.85 X 149.01 X 149.56	22627	**8.820**	426.9	18.9	

* The results obtained are satisfactory as per standard requirements.

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